SINGLE COMPUTER VISION SYSTEM

INPUT DEVICE (CONTROL PAD, KEYBOARD, MOUSE)

DISPLAY DEVICE (LCD DISPLAY, MONITOR)

GENERAL PURPOSE PROCESSOR

ACQUISITION CIRCUITRY

INPUT DEVICE CIRCUITRY

DISPLAY CIRCUITRY

CAMERA

VP

UI

11

12

13

14

15

16

17

FIG. 1
PRIOR ART

DUAL COMPUTER VISION SYSTEM

INPUT DEVICE

DISPLAY DEVICE

IDC — 30

DC — 31

UI — 29

32

27

28

26

CAMERA — 21

A.C. — 22

VP — 24

23

25

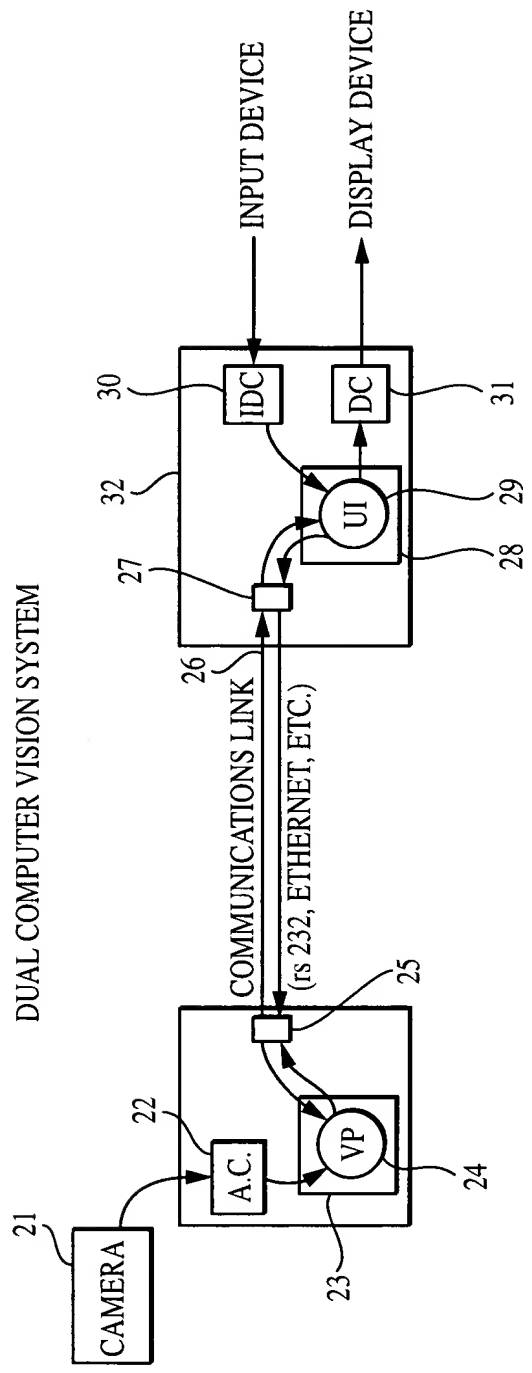COMMUNICATIONS LINK

(rs 232, ETHERNET, ETC.)
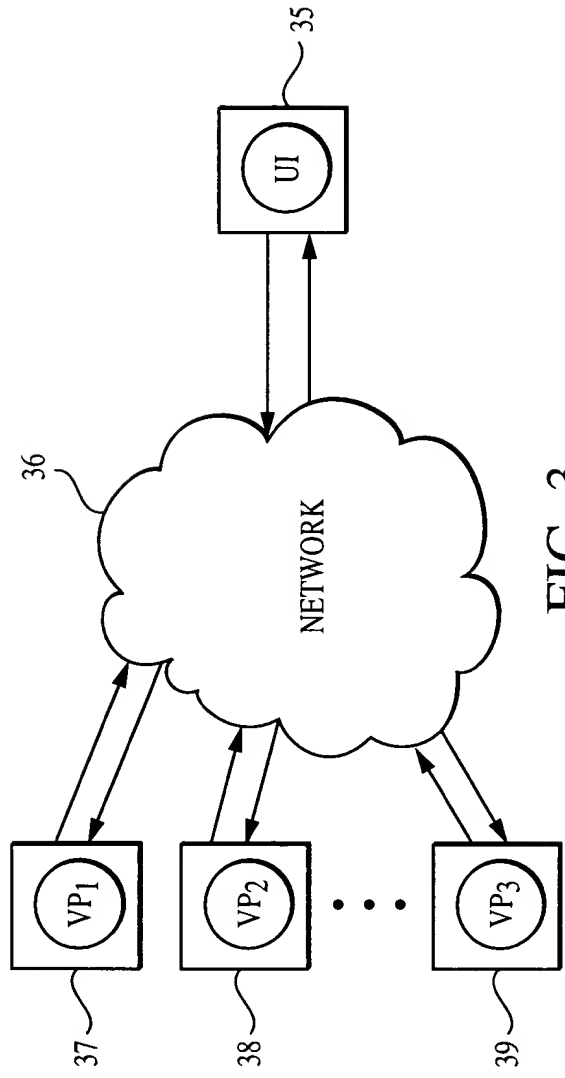
FIG. 2
PRIOR ART

UI CONNECTING TO MANY VP'S VIA A NETWORK

FIG. 3

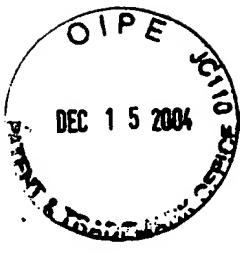CONNECTION, CONFIGURATION, AND MONITORING BY A DEVELOPER

CONNECT
TO
VP1
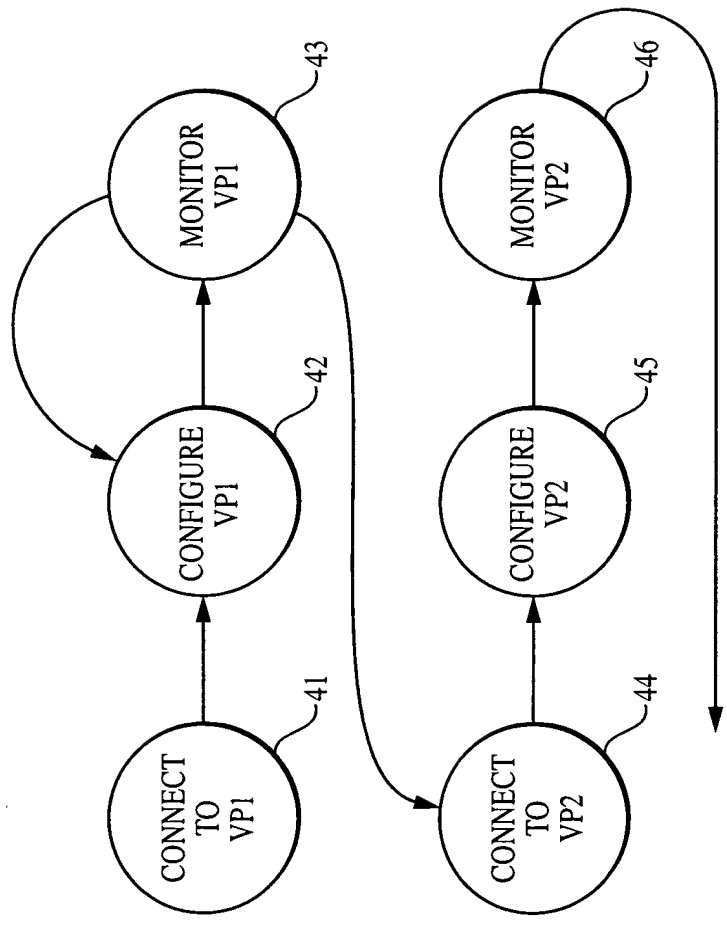41

CONFIGURE
VP1
42

MONITOR
VP1
43

CONNECT
TO
VP2
44

CONFIGURE
VP2
45

MONITOR
VP2
46

FIG. 4
PRIOR ART

A3=	Listbox("name0" "name1" "name2")							
	A	B	C	D	E	F	G	H	I
0	Image								
1									
2	select								
3	►name 0								
4	name 1								
5	name 2								
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									

is3k000018 Local   Offline

51
52
53
54
55
56

FIG. 5

A2=	Link("Link to System1", "System1","","")	
	Parameter	Value
0	Label	"Link to System1"
1	Host Name	▲System1
2	Dialog Label	" "
3	Cursor Position	" "

61 62 63 64

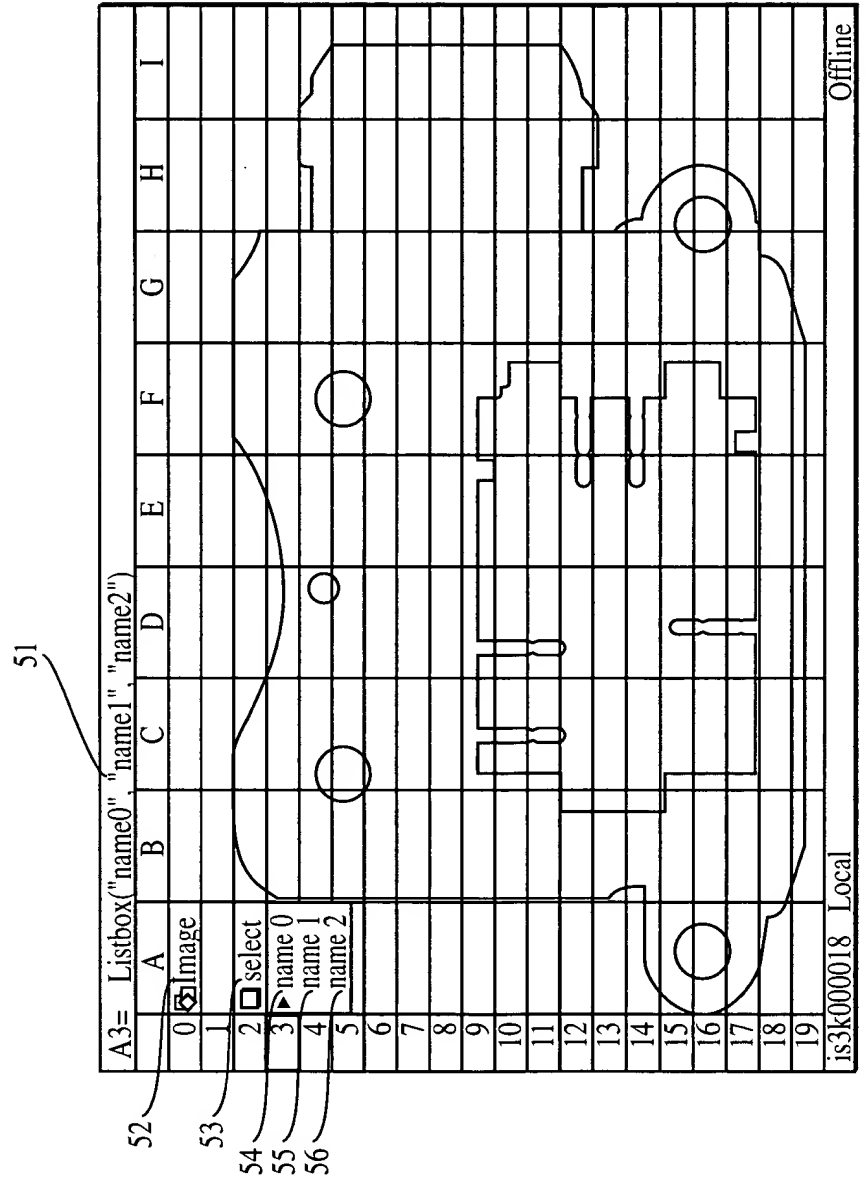OK   Cancel   Run

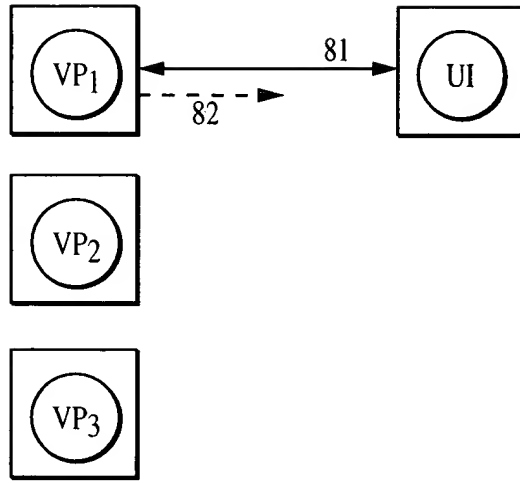A text string or reference to a text string. Labels are displayed on the spread sheet.
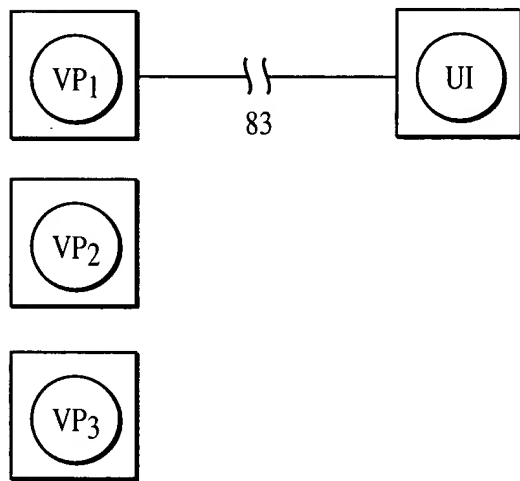
FIG. 6

FIG. 7

FIG. 8A

FIG. 8B

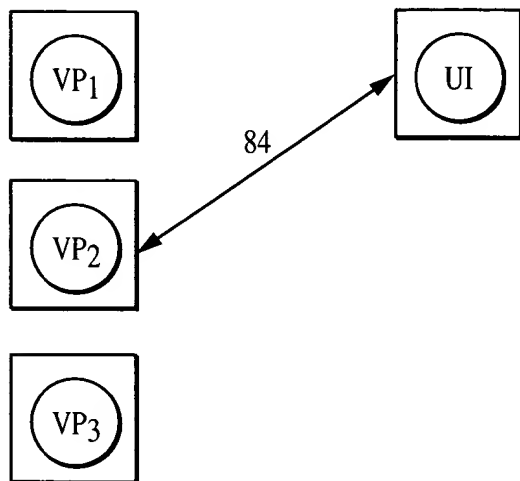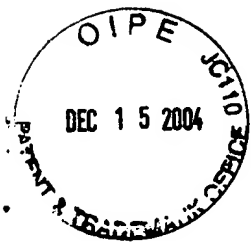FIG. 8C

```
ACQUIRE IMAGE (...)
IF (READ BARCODE FAILS)
  LINK ("FAILURE SYSTEM")
ELSE
     •
     •
     •

  <ADDITIONAL VP FUNCTIONS>
     •
     •
     •
```

FIG. 9